MONTHLY BULLETIN

OF

THE OBSERVATORY

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT, SYRIA

LAT. 33° 54' 22" N.

LONG. E. FROM GREENWICH 35° 28' 10"

OCTOBER, 1944

J. A. BROWN, DIRECTOR

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WEATHER BUREAU

OCTOBER 1944

METEOROLOGICAL REGISTER

Date	Barometer reduced to oC Sea level and 45 Latitude 700 mm. + ...				Thermometer Cent.					
	8:30	14:30	20:30	Mean	Max.	Min.	8:30	14:30	20:30	Mean
1	60.1	58.2	58.3	58.9	28.8	21.1	23.8	28.8	23.4	25.3
2	57.9	7.8	8.2	8.0	29.9	22.2	22.9	29.9	24.5	25.8
3	60.5	60.8	61.2	60.8	29.3	22.7	23.9	29.3	25.0	26.1
4	2.6	2.5	3.3	2.8	29.0	21.4	25.3	28.6	23.4	25.8
5	4.7	4.1	4.0	4.3	28.0	21.6	23.2	27.8	24.9	25.3
6	63.7	62.3	62.1	62.7	28.6	21.0	23.2	28.6	23.9	25.2
7	0.8	59.2	58.4	59.5	27.3	21.2	22.7	27.3	23.7	24.6
8	58.3	7.5	7.5	7.8	29.0	22.3	22.8	29.0	24.4	25.4
9	8.6	9.1	9.7	9.1	28.5	21.9	23.9	28.2	29.8	27.3
10	61.4	61.2	60.9	61.2	28.6	22.5	23.7	28.6	24.8	25.7
11	61.6	61.2	60.8	61.2	29.2	20.9	23.9	27.2	23.9	25.0
12	0.0	59.2	58.8	59.3	29.2	23.6	24 1	27.9	24.9	25.6
13	59.3	9.2	60.0	9.5	28.3	21.1	27.8	27.8	23.9	26.5
14	60.7	60.5	1.0	60.7	27.8	20.7	22.2	26.7	23.3	24.1
15	1.9	1.2	1.2	1.4	27.2	20.8	22.1	26.7	21.9	23.6
16	59.3	57.7	58.4	58.5	28.8	20.4	24.4	27.8	25.1	25.8
17	9.3	9.4	60.0	9.6	27.2	18 9	20.7	27.1	23.3	23.7
18	61.1	60.9	0.9	61.0	26.3	20.0	20.4	25.4	22.0	22.6
19	0.3	59.1	0.0	59.8	26.7	21.2	21.2	26.4	23.2	23.6
20	59.9	60.4	0.9	60.4	24.7	19.2	23.2	21.1	21.1	21.8
21	60.4	58.3	57.6	58.8	26.7	20.8	21.2	25.6	21.7	22.8
22	58.5	8.4	9.1	8.7	24.8	18.4	22.8	23.3	22.3	22.8
23	60.3	9.8	60.7	60.3	23.4	18.3	19.3	23.3	19.4	20.7
24	0.6	60.0	0.6	0.4	25.4	19.2	19.3	24.0	21.7	21.7
25	1.1	0.6	1.3	1.0	25.1	19.6	20.1	24.5	22.2	22.3
26	61.5	61.0	61.2	61.2	25.8	20.0	20.7	25.5	22.7	23.0
27	1.3	0.5	0.8	0.9	26.2	20.2	21.5	25.5	23.1	23.4
28	58.0	59.6	58.4	58.7	28.5	22.6	22.8	26.7	24.9	24.8
29	8.1	8.1	9.8	8.7	30.6	22.3	28.9	29.5	28 3	28.9
30	60.7	60.0	60.0	60.2	27.8	22.2	23.9	27.6	23.9	25.1
31	0.1	59.7	0.6	0.1	27.3	21.4	23.8	26.7	23.8	24.8
	60.40	59.91	60.18	60.17	27.54	20.95	22.89	26.85	23.69	24.48

Barometer, range for month 764.7 — 757.5 mm.
„ 62-yr. average for month 671.39 mm.
Thermometer, range for month 30°.6 C — 18°.3 C.
„ 62-yr. average for month 24.°53 C.
Rain, total for month 35.81 mm.
„ , 62-yr. average for month 49.28 mm
Total, from Sept. 1st. to end of month 37.08 mm.
62-yr. average, Sept. 1st. to end of month 55 88 mm.

* Beirut Summer time

OCTOBER 1944

METEOROLOGICAL REGISTER

Date	Elasticity of Vapor mm.				Relative Moisture per cent.				Sun. hrs.	Wind per day	Rain
	8.30	14:30	20:30	Mean	8:30	14:30	20:30	Mean	Hrs.	Kms.	m.m.
1	15.9	18.1	17.7	17.2	72	61	83	72	9.1	129.0	
2	16.9	19.4	19.2	18.5	82	61	83	72	9.2	193.0	
3	18.5	19.1	17.8	18.5	83	63	75	74	8.2	150.0	
4	16.5	15.5	16.0	16.0	69	53	74	65	8.9	111.0	
5	15.0	15.1	17.6	15.9	71	55	74	67	9.3	356.0	
6	15.4	16.8	16.3	16.2	73	58	73	68	9.2	306.0	
7	14.9	17.0	17.0	16.3	73	63	77	71	9.1	148.0	
8	16.4	19.0	19.2	18.2	79	63	84	75	9.2	274.0	
9	17.6	19.8	15.6	17.7	80	70	50	67	6.5	56.0	
10	19.0	19.4	19.1	19.2	87	66	82	78	7.7	187.0	
11	19.1	19.0	17.6	18.6	86	71	80	79	3.2	338.0	
12	15.5	18.6	17.9	17.3	69	66	76	70	8.8	595.0	
13	14.1	15.6	13.7	14.5	51	56	62	56	6.7	467.0	
14	13.5	14.6	14.7	14.2	67	56	68	64	8.8	169.0	
15	13.6	14.7	15.5	14.6	68	56	79	68	9.1	126.0	
16	16.7	19.0	15.8	17.2	74	68	67	70	8.4	454.0	
17	14.8	16.1	14.0	15.0	82	60	66	69	3.8	105.0	3.81
18	14.1	14.7	14.8	14.5	79	60	76	72	6.0	153.0	6.09
19	13.8	14.7	15.7	14.7	73	56	75	68	5.4	266.0	
20	16.6	16.2	14.8	15.9	78	87	79	81	3.3	193.0	13.72
21	13.0	14.7	14.9	14.2	69	60	77	69	8.8	219.0	
22	12.8	12.9	12.3	12.7	62	60	60	61	4.3	547.0	1.27
23	14.7	14.2	13.9	14.3	88	67	83	79	1.7	306.0	4.07
24	14.2	14.7	15.0	14.6	85	65	77	76	5.5	153.0	6.85
25	12.4	14.4	14.7	13.8	71	64	74	70	8.7	274.0	
26	13.3	15.6	15.5	14.8	73	64	75	71	7.8	335.0	
27	13.6	15.8	16.0	15.1	71	65	77	71	9.1	349.0	
28	14.6	17.6	17.7	16.6	71	67	75	71	7.1	209.0	
29	11.6	16.8	11.3	13.2	39	55	39	44	9.0	237.0	
30	16.7	18.7	18.2	17.9	75	69	83	76	9.0	230.0	
31	15.0	18.8	18.1	17.3	68	72	82	74	9.0	280.0	
	15.15	16.66	16.05	13.95	73.1	63.1	73.7	69.9	2.99	255.32	1.15

Height of Barometer above sea level: 33.7 meters.
" " Thermometers above ground:
Dry and wet 1.55 m.: Max. 1.75 m.: Min. 1.70 m.
Rim of Rain Gauge: above ground 0.56 m.; above sea level 30.31 m.
Time of readings minus 3 hours equals G C.T.
62 year averages are for period, 1875-1936

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METEOROLOGICAL REGISTER

Date	Clouds Clear—0 Overcast—10				Direction and force of wind Beaufort scale			Sea	Notes
	8:30	14:30	20:30	Mean	8:30	14:30	20:30		
1	0	0	0	0.0	1se	1nw	0	calm	
2	0	0	0	0.0	0	1nw	1nw	„	
3	1cu	1cu	2cu	1.3	1ne	1nw	0	„	
4	9cu	2cu	2cu	4.3	1w	2w	0	light	
5	0	0	3cu	1.0	1se	1sw	3ne	„	
6	0	0	0	0.0	0	2ne	1ne	light	
7	0	1ci	2cu	1.0	1se	1nw	0	calm	
8	1cu	0	1cu	0.7	1e	1nw	1n	light	
9	3ci	9cu	1cu	4.3	0	1w	0	slight	
10	5ci	0	0	1.7	1nw	1nw	1nw	calm	D. & M. a. m.
11	10cu	10cu	0	6.7	1se	1sw	1sw	calm	Tr. a. m.
12	0	1cu	1cu	0.7	2sw	2sw	2sw	slight	
13	3cu	5cu	2cu	4.3	1sw	2sw	2sw	„	
14	1cu	5cu	1cu	2.3	0	2sw	1sw	„	
15	1cu	0	0	0.3	1sw	1sw	0	light	
16	0	2ci	7cu-ni	3.0	1n	1n	3n	slight	Tr. p. m.
17	10cu-ni	7cu	0	5.7	1s	1s	1sw	„	
18	4cu-ni	1cu	9cu-ni	4.7	1s	1nw	0	light	Tr. p. m.
19	9cu	10cu	5cu	8.0	0	1n	2n	„	
20	10cu-ni	10ni	0	6.7	1se	1sw	0	calm	
21	1cu	1cu	1cu	1.0	1sw	1nw	0	calm	
22	3cu	10ni	4cu-ni	5.7	3sw	2sw	3sw	slight	
23	10ni	9cu	10cu-ni	9.7	2sw	1sw	1sw	„	
24	9ni	5cu-ni	9cu-ni	7.7	1sw	2w	0	„	
25	1cu	1cu	6cu	2.7	1w	2nw	1nw	„	
26	0	0	0	0.0	0	1nw	2nw	calm	
27	0	0	0	0.0	2n	2nw	3nw	slight	
28	10cu	3ci-cu	3cu	5.3	1se	2ne	0	„	
29	2cu	0	8cu	3.3	0	1ne	1ne	calm	H., a. m.
30	0	0	1ci	0.3	0	1ne	1ne	light	
31	0	0	1ci	0.3	0	2nw	1ne	slight	M. a. m.
				2.99					

* Abbreviations :— G = gale; H = haze; M = mist ; T = thunderstorm ; D = dew. W = strong wind.

Number of Daily Wind Observations

Time	N	NE	E	SE	S	SW	W	NW	Calm	Totals
8:30	2	1	1	6	2	7	2	1	9	31
14:30	2	4	0	0	1	9	3	12	0	31
20:30	2	5	0	0	0	7	0	6	11	31
Totals	6	10	1	6	3	23	5	19	20	93

Number of days with rain 6, fog 0, thunderstorms 0, gale 0.

62 yr. av. days with rain during month 3.5 days